

### Wybrane publikacje 2017/2018:

- a. Przemysław Kurowski, Katarzyna Grzelka, Paweł Szulczyk, Ionic mechanism underlying rebound depolarization in medial prefrontal cortex pyramidal neurons, *Frontiers in Cellular Neuroscience*, **2018**, 12, 1-21, doi: 10.3389/fncel.2018.00093.
- b. Katarzyna Grzelka, Przemysław Kurowski, Maciej Gawlak, Paweł Szulczyk Noradrenaline modulates the membrane potential and holding current of medial prefrontal cortex pyramidal neurons via  $\beta$ 1-adrenergic receptors and HCN channels. *Frontiers in Cellular Neuroscience*, **2017**, 11/341:1-22; doi: 10.3389/fncel.2017.00341.
- c. Gawlak M, Szulczyk B, Berłowski A, Grzelka K, Stachurska A, Pelka J, Czarzasta K, Malecki M, Kurowski P, Nurowska E, Szulczyk P, Age-dependent expression of Nav1.9 channels in medial prefrontal cortex (mPFC) pyramidal neurons in rats, *Developmental Neurobiology*, **2017**, 77/12:1371-1384, doi:10.1002/dneu.22537.
- d. Szulczyk B, Nurowska E, Valproic acid inhibits TTX-resistant sodium currents in prefrontal cortex pyramidal neurons, *Biochemical and Biophysical Research Communications*. **2017**, 491: 291-295, doi: 10.1016/j.bbrc.2017.07.109.
- e. Ładno W, Gawlak M, Szulczyk P, Nurowska E, Control of TREK like K<sup>+</sup> channel currents by beta adrenergic receptors in medial prefrontal cortex (mPFC) pyramidal neurons of different age rats. *Brain Research*, **2017**, 1665: 95–104, doi:org/10.1016/j.brainres.2017.04.009.